"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTAZIN, F.Sh.

Study of fast physical processes. Izv. AN Uz. SSR. Ser. f z.-mat. nauk 8 no.6:87-88 '64. (MIRA 18:[illegible])

1. Tashkentskiy politekhnicheskiy institut.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTAZIN, G., starshiy ekonomist.

Intensify control of disbursements from wage funds on state farms. Fin. SSSR 18 no.4:58-59 Ap '57. (MIRA 10:6)

1. Upravleniye finansirovaniya sel'skogo khozyaystva Ministerstva finansov Kazakhskoy SSR.
(State farms--Accounting) (Banks and banking)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTAZIN, G.M.

Procurement and growing of plants for laboratory work in botany.
Biol. v shkole no.3:20-23 My-Je '63. (MIRA 16:10)

1. Pedagogicheskoye uchilishche, g. Belebey Bashkirskoy ASSR.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTAZIN, Gil'mulla Minnigaleyevich; PADALKO, N.V., red.; PROFERAMSOVA, N.V., red.; TARASOVA, V.V., tekhn. red.

[Conducting laboratory work in botany] Opyt provedeniia laboratornykh rabot po botanike. Moskva, Izd-vo Akad. pedagog. nauk RSFSR, 1958. 53 p. (MIRA 11:12)
(Botany--Laboratory manuals)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTAZIN, G.M., zasluzhennyy uchitel' RSFSR

Laboratory work on the topic "General acquaintance with flowering plants." Biol.v shkole no.4:32-37 Jl-Ag '62. (MIRA 15:12)

1. Belebeyevskoye pedagogicheskoye uchilishche, Bashkirskaya ASSR.
(Phanerogams) (Botany—Study and teaching)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTAZIN, G.M.

Methodology of laboratory work in botany. Biol. v shkole no.1:11-16 Ja-F '63. (MIRA 16:6)

1. Pedagogicheskoye uchilishche, g. Belebey.
(Botany—Study and teaching)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTAZIN, I. M.

"Schizandra Chinensis Baill as a Stimulator in Protracted Physical Strain," Farmakol. i Toxicol., 9, No. 4, 1946. Maj., Med. Service, Physiological Lab. Advanced Training for Physicians, Far-Eastern Front, -1946-.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTAZIN, M. A., mekhanik snegouborochnoy mashiny

Efficiency promoters need help. Put' i put. khoz. 7 no.3:36 '63. (MIRA 16:4)

1. Stantsiya Mundybash, Zapadno-Sibirskoy dorogi.

(Railroads—Equipment and supplies)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MATASOV, V. (g.Kazan'); MURTAZIN, R. (g.Kazan'); LYAGIN, V. (g.Kazan');
ZAYTSEV, S. (g.Kazan')

Do not yield the championship. Kryl.rod. 11 no.11:3 N '60.
(MIRA 13:10)

(Kazan—Helicopters)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

L 10433-67 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(k)/EWP(t)/ETI IJP(c) JD/WW/EM

ACC NR: AT6032967 SOURCE CODE: UR/3228/64/000/002/0145/0158

38

AUTHOR: Teregulov, I. G.; Murtazin, R. Z.

ORG: none

TITLE: Quasistatic bending and stability of shells under creep (inheritance theory)

SOURCE: Kazan. Universitet. Issledovaniya po teorii plastin i obolochek, no. 2, 1964, 145-158

TOPIC TAGS: creep, shell structure stability, metal bending

ABSTRACT: The paper discusses some approximate solution methods for problems concerning the bending of plates and shells when the bending is comparable to the thickness. The solutions are based on a variational method and the method of a small-parameter. During the development of creep deformation, the shell acquires a bent shape for which a certain stress is critical. With the assumption that the relative elongations are small in comparison to unity, the calculation is based on the linearized relationship between the stresses and deformation developed by Yu. N. Rabotnov in his theory of "hereditary creep". This relationship is given by

$$\epsilon_{mn}(t) = B_{mnik}\sigma^{ik}(t) + \int_0^t K(t-\tau) B_{mnik}\sigma^{ik}(\tau)\, d\tau. \qquad (1.1)$$

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

S/051/63/014/003/013/019
E039/E120

AUTHORS: Zaripov, M.M., Murtazin, Sh.F., and Stepanov, V.G.

TITLE: On the calculation of the paramagnetic resonance spectrum of Mn^{2+}

PERIODICAL: Optika i spektroskopiya, v.14, no.3, 1963, 421-422

TEXT: The fine and hyperfine structure of the paramagnetic resonance spectrum of Mn^{2+} for natural single crystals of calcite $CaCO_3$ is described (F.K. Hurd, M. Sachs, W.D. Hershberger, Phys. Rev., v.93, 1954, 373) by a spin Hamiltonian of the following form:

$$\mathcal{H} = g_{\parallel}\beta H_z S_z + g_{\perp}\beta(H_x S_x + H_y S_y) + D\left[S_z^2 - \frac{1}{3}S(S+1)\right] +$$
$$+ \frac{F}{180}\left[35S_z^4 - 30S(S+1)S_z^2 + 25S_z^2 - 6S(S+1) + 3S^2(S+1)^2\right] +$$
$$+ AI_z S_z + B(S_x I_x + S_y I_y) \qquad (1)$$

where with $H \parallel z$ $D = 81 \pm 0.4$, $F = 61.632$, $A = 93.95 \pm 0.05$, $g_{\parallel} = 2.0022 \pm 0.0006$; with $H_{\perp} z$ $D = 79.4 \pm 0.4$, $F = 61.632$,

Card 1/4

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

B = 93.90 ± 0.05, g = 2.0014 ± 0.0006. D, F, A and B are in oersteds. It is shown that this form of spin Hamiltonian is not applicable for describing the Mn^{2+} EPR spectrum, hence the determination of Eq.(1) is repeated. The denominator of the terms in the second and fourth approximations must depend not only on the Zeeman energy, but on the coefficients D, F and A, which were not calculated by Hurd et al. In order to obtain an expression for $E_{M,m}$ in compact form the proper value of Eq.(1) is calculated by another method. The energy level is determined to the third approximation and the results are presented in the form:

With $H \parallel z$,

$$
\begin{aligned}
E_{M,m} = {} & -g\beta HM + D\left[M^2 - \frac{1}{3}S(S+1)\right] + f(M) + AMm + \\
& + \frac{A^2}{2g\beta H}\left(M[I(I+1) - m^2] - m[S(S+1) - M^2]\right) + \\
& + \frac{A^2}{(2g\beta H)^2}[S(S+1) - M(M+1)][I(I+1) - m(m-1)] \times \\
& \times [D(2M+1) + f(M+1) - f(M) + A(m - M - 1)] + \\
& + \frac{A^2}{(2g\beta H)^2}[S(S+1) - M(M-1)][I(I+1) - m(m+1)] \times \\
& \times [-D(2M-1) + f(M-1) - f(M) + A(-m + M - 1)].
\end{aligned}
\qquad (2)
$$

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

for $H \perp$:

$$
\begin{aligned}
E_{M,m} = {} & -g_{\perp}\beta H M - \frac{D}{2}\left[M^2 - \frac{1}{3}S(S+1)\right] + \frac{3}{8}f(M) + BMm + \\
& + \frac{D^2}{8g_{\perp}\beta H}\left(M\left[2S(S+1)-1\right] - 2M^3\right) + \frac{A^2}{2g_{\perp}\beta H}\left(M\left[l(l+1) - m\right.\right. \\
& \left.\left. - m\left[S(S+1) - M^2\right]\right) + \frac{A^2}{(2g_{\perp}\beta H)^2}\left[S(S+1) - M(M+1)\right]\left[l(l+1) - m(m-1)\right] \times \\
& \times\left[-\frac{D}{2}(2M+1) + \frac{3}{8}f(M+1) - \frac{3}{8}f(M) + A(m-M-1)\right] + \\
& + \frac{A^2}{(2g_{\perp}\beta H)^2}\left[S(S+1) - M(M-1)\right]\left[l(l+1) - m(m+1)\right] \times \\
& \times\left[\frac{D}{2}(2M-1) + \frac{3}{8}f(M-1) - \frac{3}{8}f(M) + A(-m+M-1)\right] + \\
& + \frac{D^2}{(2g_{\perp}\beta H)^2}\left[S(S+1) - M(M-1)\right]\left[S(S+1) - (M-1)(M-2)\right] \times \\
& \times\left[2D(M-1) + \frac{3}{8}f(M-2) - \frac{3}{8}f(M) - 2Am\right] + \\
& + \frac{D^2}{(2g_{\perp}\beta H)^2}\left[S(S+1) - M(M+1)\right]\left[S(S+1) - (M+1)(M+2)\right] \times \\
& \times\left[-2D(M+1) + \frac{3}{8}f(M+2) - \frac{3}{8}f(M) + 2Am\right].
\end{aligned}
\tag{2}
$$

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

where $f(M) = \frac{F}{180}\left[35M^4 - 30M^2S(S+1) + 25M^2 - 6S(S+1) + 3S^2(S+1)^2\right]$; M and m are magnetic quantum numbers corresponding to electron and nuclear spin. With calculations of the second and third approximation it is assumed that A = B. By the use of this expression the position of the absorption lines is calculated (determined from the resonance condition $E_{M,m} - E_{M-1,m} = h\nu$) and agree with the experimental results within the error of measurement if the following values for the constants are assumed:

For $H \parallel z$ D = 81, F = 7.704, A = 93.95, $g_{\parallel} = 2.0018$;

For $H \perp z$, D = 81, F = 7.704, B = 94.40, $g_{\perp} = 2.0013$.

For determining these constants the results of measurements carried out by Hurd were used.

SUBMITTED: July 20, 1962

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

L 2290-66 EWT(1)/T IJP(c) GG

ACCESSION NR: AP5014566 UR/0181/65/007/006/1690/1695

AUTHOR: Murtasin, Sh. F. 44,55

TITLE: Nuclear resonance absorption of ultrasound in crystals containing paramagnetic impurities 21,44,55

SOURCE: Fizika tverdogo tela, v. 7, no. 6, 1965, 1690-1695

TOPIC TAGS: ultrasonic absorption, resonance absorption, resonance scattering, nuclear spin, spin resonance, phonon scattering

ABSTRACT: The author calculates the nuclear acoustic resonance absorption in crystals containing paramagnetic ions, taking into account, besides the magnetic dipole-dipole interaction between the nuclear spins and the paramagnetic ions, also the interaction between the paramagnetic ions and acoustical phonons of nuclear-resonance frequency. The calculations are made with by the Kubo and Tomita Method (J. Phys. Soc. Japan v. 9, 888, 1954). The results show that although the effects considered normally appear only as second-order perturbations when the temperature is close to 1K and when

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

L 2290-66

ACCESSION NR: AP5014566

12

the nuclear spin exceeds 1/2, the absorption mechanism in question can in some cases compete with the mechanism due to modulation of electric quadrupole interaction between the nuclei and the lattice by means of ultrasound. "The author thanks S.A. Al'tshuler for suggesting the topic and guidance, and L.K. Aminov and A.R. Kessel' for a useful discussion." Orig. art. has: 13 formulas.

ASSOCIATION: Kazanskiy gosudarstvennyy universitet im. V. I. Ul'yanova-Lenina (Kazan' State University)

SUBMITTED: 14Dec64 ENCL: 00 SUB CODE: SS, NP

NR REF SOV: 006 OTHER: 001

Card 2/2 DP

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

L 41596-66 EEC(k)-2/EWP(k)/EWT(1)/T IJP(c) WG

ACC NR: AP6018549 SOURCE CODE: UR/0181/66/008/006/1847/1850

50
49
B

AUTHOR: Murtazin, Sh. F.

ORG: Kazan' Physicotechnical Institute, AN SSSR (Kazanskiy fiziko-tekhnicheskiy institut AN SSSR)

TITLE: On the effect of "phonon bottleneck" in nuclear magnetic relaxation

SOURCE: Fizika tverdogo tela, v. 8, no. 6, 1966, 1847-1850

TOPIC TAGS: nuclear magnetic resonance, nuclear spin, paramagnetic ion, spin lattice relaxation, epr spectrum, line width

ABSTRACT: The author takes exception to the interpretation presented by S. M. Day et al. (Phys. Rev. v. 137A, A108, 1965) of their experimental results that nuclear spin relaxation due to the interaction between nuclear spins and paramagnetic-impurity ions is greatly influenced by the phonon bottleneck effect, since Day et al. calculated the direct-relaxation time by using a semiclassical model. Therefore the author makes use of Holstein's results (Phys. Rev. v. 83, 1159, 1951 and earlier) to derive an expression for the time of nuclear spin-lattice relaxation in crystals, due to the interaction between nuclear and electron spins, under conditions when the phonon bottleneck effect is appreciable. Both Gaussian and Lorentzian epr line shapes are considered. It is shown that the width of the spectral distribution of the excited phonons at a frequency equal to the sum of the electron and nuclear resonance frequencies, and also the width of the excitation of the phonon "holes" at the difference

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

L 41596-66

ACC NR: AP6018549

frequency, can greatly exceed the width of the electron resonance line. The results obtained are in satisfactory agreement with the experimental data of Day et al., especially for a Lorentz line shape of the epr of the paramagnetic ions. The author thanks S. A. Al'tshuler for directing the work. Orig. art. has: 1 figure and 9 formulas.

SUB CODE: 20/ SUBM DATE: 20Nov65/ OTH REF: 005

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MUKHAMEDZHANOV, S.M.; ISABAYEV, T.T.; KABIYEV, F.; MURTAZIN, Zh.V.

Underground waters of the Tarbagatay Range and its margin. Izv.AN Kazakh.SSR. Ser.geol.nauk no.4:58-73 '63.(MIRA 16:9)

1. Institut geologicheskikh nauk AN Kazakhskoy SSR, Alma-Ata.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MUKHAMEDZHANOV, Serk Mukhamedzhanovich; ISABAYEV, Turlybay Tadzhibayevich; KABIYEV, Fayzulla Kabiyevich; MURTAZIN, Zhamshit Vakhitovich; SHLYGIN, Ye.D., doktor geol.-miner. nauk, prof., otv. red.; RZHONDKOVSKAYA, L.S., red.

[Underground waters of the Tarbagatay Range and its piedmont plains] Podzemnye vody khrebta Tarbagatai i ego ravninnykh predgorii. Alma-Ata, Izd-vo "Nauka" Kazakhskoi SSR, 1965. 147 p. (MIRA 18:9)

1. Chlen-korrespondent AN Kaz.SSR (for Shlygin).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

KHAFIZOV, T.; MURTAZINA, Kh.

Out of skins of sea animals. Prom.koop. 14 no.8:13 Ag '60. (MIRA 13:8)

1. Tekhnoruk arteli "Krasnoye znamya," g.Kazan' (for Khafizov)
2. Nachal'nik otdela tekhnicheskogo kontrolya arteli "Krasnoye znamya," (for Murtazina).

(Kazan--Tanning)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

BULKIN, A.; KOROBEYNIKOVA, A., ekonomist; MURTAZINA, Kh.; NELYUBOVSKAYA, V.

Work conscientiously and have a creative attitude toward work! Fin. SSSR 23 no.10:59-61 O '62. (MIRA 15:10)

1. Starshiy inspektor Zhdanovskogo rayonnogo finansovogo otdela (for Bulkin). 2. Kiyevskiy rayonnyy finansovyy otdel (for Korobeynikova). 3. Starshiy ekonimist Timiryazevskogo rayonnogo finansovogo otdela (for Murtazina). 4. Starshiy ekonimist Finansovogo upravleniya Ispolnitel'nogo komiteta Mosgorsoveta (for Nelyubovskaya).
(Moscow--Finance)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTAZINA, T.M.

Distr: 4E4j

Isotopic composition of thallium of magmatic rocks. N. N. Golubchina, A. V. Rabinovich, and T. M. Murtazina (All-Union Sci. Research Geol. Inst., Leningrad). Geokhimiya 1957, 191-2.—A report of the detn. of the isotopic compn. of Tl in 7 samples of granitoids of Altai and Eastern Siberia. Results of detn. of the accessory minerals of the rocks studied showed the absence of galena as a bearer of Tl. For isotopic analysis, Tl iodide was prepd. The method of sepn. of Tl from the rocks did not differ from that for Pb. Exptl. error of the app. used was ~1%. The ratio of the Tl^{205} and Tl^{203} isotopes for all the rocks studied varied within the range 2.458-2.443; the upper limit of deviation did not exceed 0.7%. Results indicated the absence of variations of the isotopic compn. of Tl in relation to the history of the geol. developments of the region. No variations of isotopic compn. of Tl with age were observed.

Gladys S. Macy

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

RABIN[illegible], [illegible]; [illegible]UTCHINA, M.N.; MURTAZINA, T.M. [deceased]

[illegible] composition of the lead of intrusive rocks in various metallogenic zones of Central Asia. Geokhimiia no.5:519-528 My '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut, Leningrad.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTAZINOVA, G. F.

692. Amperometric titration of bismuth. A. K. Tulanov, V. A. Khadeev and G. F. Murtazinova (V. I. Lenin Central Asia State University). Zavod. Lab., 19[illegible], [illegible] (5), 513-522.—Bismuth in the presence of 8-hydroxyquinoline and sufficient acid to prevent hydrolysis of the bismuth salt and pptn. of bismuth oxinate is titrated amperometrically with a dropping-mercury electrode or a rotating platinum-wire electrode at −0·0 V *vs.* the S.C.E. (bismuth cathodic current) or at + 0·10 V and + 0·65 V, respectively (iodine anodic current), with 0·6 or 0·4 *N* KI. Sulphate and nitrate in large concn. have no effect and chloride does not interfere at concn. ≤ 0·1 *M* if the acidity is sufficiently high. There is no interference by Al, Zn, Co, Ni, Cr and Mn in large amounts. Lead interferes but, in 2·5 *N* HNO_3 with excess of Na_2SO_4, Bi can be titrated satisfactorily in the presence of the pptd. $PbSO_4$; Cd and Cu must be absent.

G. S. Surrey

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTAZOV, T.

Daskalov, Khristo.

Hotbed and greenhouse vegetable cultivation Sofiia Zemizdat 1951 137 p.

4 SB 286

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

Country : BULGARIA
Category : Cultivated Plants. Potatoes. Vegetables. Melons. M

Abs Jour : RZhBiol., No 6, 1959, No 24875

Author : Murtazov, T.; Rusinova, I.
Inst : -
Title : Results in Growing Sweet Potatoes in Bulgaria.

Orig Pub : Ovoshcharstvo i gradinarstvo, 1958, No. 6, 45-47

Abstract : No abstract.

Card : 1/1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTINGER, Jan

Czechoslovak communication in 1963. Cs spoje 9 no.6:9-13 D '64.

1. Central Administration of Communications, Prague.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURTINGER, Jan

Czechoslovak telecommunication in 1962. Ca spoje 8 nd.3: 24-27 Je '63.

1. Ustredni sprava spoju.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

Mu. Tishchev, M.A.

SHANDRENKO,G.I.; MURTISHCHEV,M.A.; PRIYMAK,I.A., redaktor; ANDREYEV, S.P., tekhnicheskiy redaktor; VAYNSHTEYN,Ye.B., tekhnicheskiy redaktor

[Time norms for layout, fitting and assembly work] Normativy vremeni na razmetochnye, slesarnye i sborochnye raboty. Khar'kov, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1951. 273 p. (MLRA 9:3)

1. Russia (1923- U.S.S.R.) Nauchno-issledovatel'skoye byuro organizatsii proizvodstva chernoy metallurgii
(Machine-shop practice)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

BLINOV, O.S.; BELEN'KIY, Ye.L.; BRAUSEVICH, S.T.; DOROKHOV, B.A.; ZIGMUND, F.R.; ITSIKOV, G.B.; LEVER, A.A.; LESHCH-BORISOVSKIY, A.I.; MURTUZALIYEV, S.A.; PIIR, A.I.; YUZIKHIN, Ye.Ye.; YAKIMOV, I.D.; SHCHELKUNOV, V.V., retsenzent; GONCHAROV, A.F., otv. red.; KORCHUNOV, N.G., otv. red.; NIKOL'SKIY, B.V., otv. red.; POSTREMOV, G.A. [deceased]; SLUTSKER, M.Z., red. izd-va; SHIBKOVA, R.Ye., tekhn. red.

[Lumbering; land transportation of timber] Lesozagotovki; sukhoputnyi transport lesa. Spravochnik. Moskva, Goslesbumizdat, 1962. 504 p. (MIRA 16:7)
(Lumber—Transportation)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

BLAGOVESHCHENKIY, S., doktor tekhn.nauk, prof.; VOZNESENSKIY, A., kand.tekhn. nauk; VOYTKUNSKIY, Ya., kand.tekhn.nauk, dotsent; GERASIMOV, A., kand.tekhn.nauk, dotsent; GRECHIN, M., kand.tekhn.nauk; DORIN, V., kand.tekhn.nauk; DOROGOSTAYSKIY, D., doktor tekhn.nauk; KOSOUROV, K., doktor tekhn.nauk, prof.; KRIVTSOV, Yu., kand.tekhn.nauk; MURU, N., kand.tekhn.nauk, dotsent; SEMENOV-TYAN-SHANSKIY, V., doktor tekhn. nauk, prof.; SOLOV'YEV, V., kand.tekhn.nauk, dotsent; TOPORKOV, I., inzh.; FIRSOV, G., doktor tekhn.nauk, prof.; FISHER, A., inzh.; KHRUSTIN, V., kand.tekhn.nauk, dotsent; EYDEL'MAN, D., inzh.

Concerning P.Khokhlov's article "Determining the center of gravity of a vessel during an inclining experiment with trim difference." Mor. flot 23 no.5:33-34 '63. (MIRA 16:9)
(Stability of ships)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

L 27321-66

ACC NR: AM6000590

UR/

Muru, Nikolay Petrovich (Docent; Candidate of Technical Sciences)

9

Ensuring the unsinkability of ships; general principles (Obespecheniye nepotoplyayemosti korablya; obshchiye printsipy) Moscow, Voyenizdat, M-va obor. SSSR., 1965. 193 p. illus., biblio. 3000 copies printed.

B+1

TOPIC TAGS: shipbuilding engineering, marine engineering, damage control

PURPOSE AND COVERAGE: This book is intended for ship-repair, damage-control, and line officers of the Soviet Navy, as well as for specialists in shipbuilding; it may also be used as a textbook by students in military and civilian educational institutions specializing in shipbuilding, marine engineering, and navigation. In this book, general principles for providing for the unsinkability of ships are presented in systematic form and recommendations evolving from these principles are given. General theoretical aspects are illustrated by many examples from the actual design and operation of ships and vessels and by actual experience in efforts to maintain navigibility and flooded stability. The author expresses his particular thanks to D. V. Dorogostayskiy and N. Ya. Mal'tsev for their pre-edit of the manuscript and contributed material; he also acknowledges the assistance and suggestions of A. N. Patrashev, G. A. Firsov, V. V. Yekimov, A. I. Zarayev, A. V. Gerasimov, V. I. Solov'yev, I. M. Korotkin, G. I. Popov, V. S. Dorin, N. P. Chiker, L. A. Rulev, A. I. Figichev, P. P. Bozhenko, and V. G. Shil'man.

Card 1/3 UDC: 629.12:532.3.073/074

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

L 27321-66

ACC NR: AM6000590

TABLE OF CONTENTS:

Foreword — 3

Introduction — 5

Ch. I. Structural methods for providing unsinkability of a ship — 10
1. Purpose and scope of structural provision for unsinkability — 10
2. Buoyancy factor — 11
3. Stability factor — 17
4. Strength factor — 30
5. Division of a ship into watertight compartments — 35
6. Changes in buoyancy resulting from compartment flooding — 42
7. Changes in stability resulting from compartment flooding — 46
8. Changes in list and trim and their effect on stability — 49
9. General principles in dividing a ship into compartments — 69
10. Providing strength and watertight integrity to bulkheads, decks, and platform decks — 82
11. The role of structural protection in providing for ship unsinkability — 85
12. Structural and damage-control measures and equipment for providing unsinkability — 88
13. General requirements for unsinkability — 93

Card 2/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

L 27321-66

ACC NR: AM6000590

Ch. II. Organizational and engineering provisions for unsinkability of a ship — 99
14. Purpose and scope of organizational and engineering provisions for unsinkability — 99
15. Control over changes in a ship's buoyancy and stability factors, and maintaining them within prescribed limits — 100
16. Maintaining a ship's watertight integrity and hull strength — 107
17. Crew training and damage-control equipment — 119

Ch. III. Damage-control measures to prevent sinking — 122
18. Essentials in preventing sinking — 122
19. Principles in righting a damaged ship — 126
20. Evaluating the initial stability of a damaged ship — 148
21. The sequence of measures taken in righting a ship and in restoring its stability — 164
22. The effectiveness of measures taken in righting a ship and restoring its stability — 168
23. Changing speed and course to prevent flooding — 174
24. Running aground as a means of saving a heavily damaged ship — 176
25. Examples of effective measures taken to prevent the loss of ships — 179

References — 190

SUB CODE: 13/ SUBM DATE: 18May65/ ORIG REF: 051/

Card 3/3

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUGOV, D.A.

Perforating ulcer of the stomach in a 3-month-old infant.
Khirurgiia 35 no.4:129 Ap '59. (MIRA 12:8)

1. Iz khirurgicheskogo otdeleniya (zav. D.S.Murugov) Gorodskoy bol'nitsy (glavnyy vrach G.M.Shafran), Yoshkar-Ola Mariyskoy ASSR.

(PEPTIC ULCER, in inf. & child
perf., in 3-month-old inf., surg. (Rus))

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUGOV, D.S.

Case of penetrating wound of the heart. Kaz.-med.zhur. 40 no.2:72-73 Mr-Ap '59. (MIRA 12:11)

1. Iz khirurgicheskogo otdeleniya (zav. - D.S.Murugov) Yoshkar-Olinskoy gorodskoy bol'nitsy (glavvrach - G.M.Shafran).
(HEART--WOUNDS AND INJURIES)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUGOV, D.S. (Yoshkar-Ola, Mariyskoy ASSR)

Perforating gastric ulcer in a three-months-old child. Kaz.med.zhur. no.5:114 S-O '60. (MIRA 13:11)
(PEPTIC ULCER)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUGOV, D.S. (Ioshkar-Ola)

Intestinal obstructions according to the data of the Mari Republic Hospital for 5 5 years. Kaz.med.zhur. no.3: 86-97 My-Je '63. (MIRA 16:9)
(MARI A.S.S.R — INTESTINES—OBSTRUCTIONS)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUGOV, V.S.

Injuries among workers of the petroleum industry at Al'met'yevsk. Kaz.med.zhur. no.1:85-87 Ja-F'61 (MIRA 16:11)

1. Travmatologicheskoye otdeleniye (zav. V.S. Murugov) medsanchasti nefteprom yslovogo upravleniya "Al'met'yevneft'" (glavvrach - M.V. Turkhanova).

*

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

PHASE I BOOK EXPLOITATION SOV/6182

Murugov, Viktor Semenovich, and Oleg Vasil'yevich Yaremenko

Morskiye suda na podvodnykh kryl'yakh (Sea Vessels with Hydrofoils). Moscow, Izd-vo "Morskoy transport," 1962. 134 p. 3600 copies printed.

Ed.: N. M. Paleyev; Tech. Ed.: Ye. A. Tikhonova.

PURPOSE: This book is intended for fleet personnel and for students in naval schools and higher schools of education of the Ministry of the Maritime Fleet. It can also be used by technical and engineering personnel engaged in the operation and repair of hydrofoil craft.

COVERAGE: This book contains a history of the development of hydrofoil craft and the present "state of the art" in various countries. Fundamental information on the operation and design of hydrofoils is given. The classifications of hydrofoils used on hydrofoil craft are presented. The construction and operation of typical hydrofoil craft are analyzed, along with their seaworthiness and operational qualities.

Card ~~1/2~~

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUGOV, V.S., inzh.; YAREMENKO, O.V., inzh.

Gas turbines on seagoing ships with underwater wings.(from foreign journals). Biul. tekh.-ekon.inform. Tekh. upr. Min. mor. flota 7 no.3:77-85 '62. (MIRA 16:5)
(Hydrofoil boats) (Marine gas turbines)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

YAREMENKO, O., mladshiy nauchnyy sotrudnik; MURUGOV, V., mladshiy nauchnyy sotrudnik

Expansion in the use of ships with underwater wings. Mor. flot 22 no.6:26-29 Je '62. (MIRA 15:7)

1. Vsesoyuznyy institut gidromashinostroyeniya (for Yaremenko).
2. Institut dvigateley AN SSSR (for Murugov).
(Planing hulls)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

OREKHOV, P.V.; MURUGOV, V.S.; SAMOYLOV, V.V., otv. red.; GORSHKOV, G.B., red.izd-va; SIMKINA, G.S., tekhn. red.

[Controllable pitch propellers and their simultaneous operation with power units] Grebnye vinty reguliruemogo shaga i ikh sovmestnaia rabota s silovymi ustanovkami. Moskva, Izd-vo AN SSSR, 1963. 241 p. (MIRA 17:2)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

ALEKSEYEV, G.N.; MURUGOV, V.S.; MART'YANOVA, I.Ya., red.

[Marine underwater engines] Morskie podvodnye dvigateli. Moskva, Transport, 1964. 122 p. (MIRA 17:12)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUGOV, V.S. (Kazan', ul. Karla Marksa, d.20, kv.7)

Horizontal textolite frame added to the L.I.Shulutko splint.
Ortop., travm. i protez. 25 no.8:72-73 Ag '64. (MIRA 18:

1. Iz kafedry ortopedii i travmatologii (zav. - zasluzhennyy deyatel' nauki prof. L.I.Shulutko) Kazanskogo instituta usovershenstvovaniya vrachey imeni Ul'yanova-Lenina (rektor - dotsent Kh.Z. Akhunzyanov).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MUHIN, V.A.

X-ray osteom[illegible]
Myr-Je 105.

1. Kafedra ortopedi[illegible]
Kazanskogo [illegible]

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, B.V.; KALANDADZE, L.P., chlen-korrespondent.

Study of the pests of cones, Lonchaea fugax Beek, in conditions existing in Georgia. Soob.AN Gruz.SSR 13 no.9:531-532 '52. (MLRA 6:5)

1. Akademiya Nauk Gruzinskoy SSR (for Kalandadze). 2. Gruzinskiy sel'skokhozyaystvennyy institut im. L.P. Beriya, Tbilisi (for Murusidze).
(Georgia--Trees--Diseases and pests)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

SUPATASHVILI, Sh.M.; MUKHASHAVR YA, A.L.; MURUSIDZE, B.V.

The spruce bark beetle Dendroctonus micans in Georgia and its control. Biul. Glav. bot. sada no.56:68-72 '64.
(MIRA 18:5)

1. Institut zashchity rasteniy Ministerstva sel'skogo khozyaystva Gruzinskoy SSR, Tbilisi.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

SUPATASHVILI, Sh.M.; MUKHASHAVRIYA, A.L.; MURUSIDZE, B.V.

Materials on the application of chemical preparations against Dendroctonus micans Kugel. Soob. AN Gruz. SSR 36 no.1:169-173 O '64. (MIRA 18:3)

1. Institut zashchity rasteniy, Tbilisi. Submitted April 16, 1964.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

KALA[illegible]; [illegible], P.M., MURUSI[illegible], B.V.; MUHA[illegible], A.I.

Materials on the study of the [illegible] characteristics of the surface bank [illegible]. [illegible] 1964. [illegible] 1965. [illegible]

1. Chlen-korrespondent [illegible] (for [illegible]) Kelandadze.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, D. N.

MURUSIDZE, D. N.: "The effectiveness of fattening birds under various conditions of maintenance and feeding." Moscow, 1955. Moscow Veterinary Academy, Min Higher Education USSR. Chair of Zoohygiene. (Dissertation for the Degree of Candidate of Agricultural Sciences)

SO: Knizhnaya Letopis' No. 47, 19 November 1955. Moscow.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

USSR / Farm Animals. Poultry. Q-6

Abs Jour : Ref Zhur - Biol., No. 14, 1958, No 64532

Author : Murusidze, D.N.
Inst : Far Eastern Scientific Research Institute of Agriculture
Title : Effectiveness of the Cage-Breeding Raising of Chicks.

Orig Pub : Byul. nauchno-tekhn. inform. Dal'nevost. n.-i. in-ta s. kh., 1957, 3, 34-35.

Abstract : The study of different methods of raising chicks in cages was carried out on 3,000 chicks of the Russian White breed. The chicks of the 1st group (cage-type raising) were kept in cages up to the 65-day age, and the chicks of the 2nd group (cage-exercise type of raising) were kept in cages until they were 40 days old. The rations of chicks in both groups during the period of raising were complete and identical. At the moment of the start of the experiment, at 40 days of age, the weight of the chicks of the 1st and

Card 1/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

USSR/Farm Animals - Poultry Q

Abs Jour : Ref Zhur - Biol., No 15, 1958, 69417

Author : Murusidze, D.N.

Inst : Far-Eastern Scientific Research Institute of Agriculture

Title : Italian Millet as a Valuable Feed for Poultry

Orig Pub : Byul. nauchno-tekhn. inf rm. Dal'nevost. n.-i. in-ta s. kh., 1957, N 4, 36-38

Abstract : No abstract.

Card 1/1

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

GUDKIN, A.F., kand. sel'skokhozyaystvennykh nauk; MURUSIDZE, D.N., kand. sel'skokhozyaystvennykh nauk; SMIRNOV, T.A.

Use of ultraviolet rays in incubating eggs. Ptitsevodstvo 9 no.2:19-20 F '59. (MIRA 12:3)

1.Direktor Kasharskoy inkubatorno-ptitsevodcheskoy stantsii, Rostovskoy oblasti.
(Poultry--Feeding and feeding stuffs)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, D.N., kand.sel'skokhozyaystvennykh nauk; MIKHALEV, V.I., kand.sel'skokhozyaystvennykh nauk; PAVLOV, Yu.N.

Local chicken strains of Amur Province. Ptitsevodstvo 9 no.10:32-33 O '59. (MIRA 13:2)

1. Blagoveshchenskiy sel'skokhozyaystvennyy institut (for Pavlov).

(Amur Province--Poultry breeds)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

TVALTVADZE, G.K.; MURUSIDZE, G.I.

Results of using the correlation method of refracted waves for solving some engineering geological problems. Trudy Inst.geofiz.AN Gruz.SSR 13: 141-147 '54. (MLRA 9:9)

(Engineering geology) (Seismology)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, G. G.

Tbilisi State U.

ных данных Тбилиси. 1953. 72 с., вкл., 180 табл. (Горийский пед. инст.).

Защ. 1954, 2.3.

783. [illegible] 1941. 136 [illegible], [illegible] [4] л. [illegible]

[illegible] 1942, 20.6.

Давиаш Владимир Мурзаевич. Определение фигуры геоида для Кавказа по гравиметрическим данным. 1941. 136 с., вкл., [4] вкл. л., карта.

Защ. 1942, 20.6.

* * *

784. Абас-Заде Абас Кули Ага Бала-Оглы. Исследование теплоемкости и теплоты испарения воды Каспийского моря. Баку. 1940. 87 с. [10] вкл. л., фиг.

Защ. 1941, 8.3.

785. Барташевич Ясе Федорович. К вопросу о точности измерения атмосферных осадков в горных условиях. 1954. 135 с.

Защ. 1955, 23.4.

786. Врасий Степан Борисович. Метод составления прогноза осадок поверхности грунта под действием приложенной нагрузки с учетом нелинейности его характеристики. 1943. 153,8 с., вкл. л., черт.

Защ. 1943, 20.7.

787. Габуния Вахтанг Парнаозович. Изучение электрического поля в земной коре для случая взаимно перпендикулярных проводящих слоев. 1954. 40 с., 7 л., фиг., 68 табл. (Инст. геофиз. АН Груз. ССР).

Защ. 1956, 28.4.

788. Гигаинишвили Валентин Мариамович. Фени и связанные с ними особенности правильной циркуляции воздуха по Грузии. 1948. 119 с., вкл.

Защ. 1951, III.

789. Гунин Сергей Ушангович. Предвычисление перемещения и развития фронтов на основе теоретического метода проф. И. А. Кибеля. Лгд. 1941. 95 с.

Защ. 1945, 2.11.

790. Кацашвили Нина Алексеевна. Изменение характера суточных колебаний солнечно-суточных вариаций горизонтальной составляющей земного магнитного поля ото дня ко дню для Тбилиси (Карсаи – Душети). 1956. 85 с., 20 вкл. (Тб. гидрометеор. инст.).

Защ. 1956, 20.6.

791. Лошиадзе Василий Павлович. О динамике вторичного центра действия атмосферы. 1946.

Защ. 1947, 23.1.

792. Мадат-Заде Аллабас Абас Кули Оглы. Шторм южного Каспия. 1945. 122 с., с рис., 7 вкл. л., диагр. (Изв. АН Азерб. ССР 1945 № 9).

Защ. 1946, 30.1.

793. Маиагадзе Григорий Диаовович. Новый метод количественной интерпретации аномалий силы тяжести. 1955. 47 с., 50 вкл.

Защ. 1956, 24.1.

794. Мацаберидзе Валериан Сильвестрович. Некоторые результаты исследования магнитного поля Колхидской низменности. 1956. 96 [6] с. (Инст. геофизики АН Груз. ССР).

Защ. 1954, 24.6.

795. Мурусидзе Георгий Яншович. Опыт применения комбинированного метода сейсмической разведки для исследования глубинных структур Мухранской депрессии. 1955.

Защ. 1955, 17.6.

796. Пацкава Сисо Калистратович. Аэродинамические признаки прогноза погоды по обрезиной синоптической карте для Закавказья и Малой Азии. 1941.

Защ. 1941, 22.5.

Dissertation for degree of

Candidate Physico-Mathematical Sciences

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, G. YA.

Murusidze, G. Ya. -- "Attempt to Use a Combined Method of Seismic Prospecting for the Investigation of the Deep Structures of the Mukhranskaya Depression." Tbilisi State U imeni I. V. Stalin, Tbilisi, 1955. (Dissertation for the Degree of Candidate in Physicomathematical Sciences.)

SO: Knizhnaya Letopis', No. 23, Moscow, June 1955, pp. 87-104

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, G.Ya.

Using unidirectional hodographs of reflected waves in seismic prospecting. Trudy Inst.geofiz. AN Gruz.SSR 14:91-102 '55. (MLRA 9:9)

1.Institut geofiziki Akademii nauk GSSR, Tbilisi.
(Hodograph) (Seismology) (Prospecting--Geophysical methods)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, G.Ya.

Determining average velocity by means of unidirectional hodographs of reflected waves. Soob. AN Gruz.SSR 16 no.2:103-107 '55. (MLRA 9:2)

1.Akademiya nauk Gruzinskoy SSR, Institut geofiziki, Tbilisi. Predstavleno chlenom-korrespondentom Akademii V.I.Mamasakhlisovym.
(Seismology) (Hodograph)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, G. V.

Data on seismic research in the eastern regions of the Mukhran Depression. Trudy Inst.geofiz. AN Gruz.SSR 15:167-184 '56. (MLRA 10:7)

(Aragva Valley--Seismology)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

IOSELIANI, M.S.; MUHUSIDZE, G.Ya.

Using seismic methods of prospecting for the solution of certain problems of engineering geology. Trudy Inst. geofiz. AN Gruz. SSR 16:115-128 '57. (MIRA 11:6)
(Seismometry) (Engineering geology) (Prospecting)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

TVALTVADZE, G.K.; KOSMINSKAYA, I.P.; MURUSIDZE, G.Ya.; MIKHOTA, G.G.; IOSELIANI, M.S.; TULINA, Yu.V.

Results of studies of the surface of the crystalline foundation of the western part of the Gori-Mukhrani depression by seismic methods. Trudy Inst. geofiz. AN Gruz. SSR 16:135-161 '57.
(Georgia--Geology, Structural) (MIRA 11:6)
(Seismic waves)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, G.Ya.; IOSELIANI, M.S.; LURSMANASHVILI, O.V.; CHICHINADZE, V.K.

Results of studying elastic properties of rocks in the region of the Ladzhanur Hydroelectric Power Station. Trudy Inst. geofiz. AN Gruz. SSR 18:97-108 '60. (MIRA 13:10)
(Ladzhanur Hydroelectric Power Station region—Seismometry)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, G.Ya.

Method of determining differences of divergence indices and amplitude coefficients of absorption for refracted seismic waves. Trudy Inst. geofiz. AN Gruz. SSR 19:81-94 '60. (MIRA 14:9)
(Seismic prospecting)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, G.Ya.; CHICHINADZE, V.K.

A method of determining mean velocities from the differences in the arrival time of reflected and refracted waves recorded after the initial point. Izv.AN SSSR. Ser.geofiz. no.12:1795-1798 '62. (MIRA 16:2)

1. Institut geofiziki AN Gruzinskoy SSR.
(Seismic waves)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, G. Ya.; LURSMANASHVILI, O. V.

Studying the elastic properties of rocks. Trudy Inst. geofiz. AN Gruz. SSR 20:113-133 '62. (MIRA 16:1)

(Georgia—Rocks—Elastic properties)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, G.Ya.; CHICHINADZE, V.K.

Use of supercritical reflections in computing the mean velocities. Trudy Inst. geofiz.AN Gruz.SSR 22:43-55 '64. (MIRA 18:12)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

ACC NR: AP6032420 SOURCE CODE: UR/0387/66/000/009/0082/0086

AUTHOR: Murusidze, G. Ya.

ORG: Institute of Geophysics, Academy of Sciences Georgian SSR (Institut geofiziki Akademii nauk Gruzinskoy SSR)

TITLE: Some problems in improving the accuracy of the interpretation of seismologic observations

SOURCE: AN SSSR. Izvestiya. Fizika Zemli, no. 9, 1966, 82-86

TOPIC TAGS: upper mantle, earth crust, seismograph, hodograph, transverse wave, longitudinal wave

ABSTRACT: The use of seismograms made at seismologic stations for the purpose of investigating the earth's crust and the upper mantle is discussed. Some very interesting results have already been obtained in Central Asia in regions with good networks of seismologic stations. The author discusses the construction of hodographs of quasi-waves on the basis of the required times for the longitudinal and transverse waves to reach the seismograph. Application of these hodographs to the study of the earth's crust and the upper mantle is feasible only if the velocity ratios of the longitudinal to transverse waves do not change with depth, a condition which is highly unlikely. Should these ratios change with depth, the errors incurred are considerable. The neces-

Card 1/2 UDC: 550.834

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

ACC NR: AP6032420

sary corrections to be made and the effect of the depth of an earthquake's focal point on these calculations are considered. Orig. art. has: 1 figure, 8 formulas.

SUB CODE: 08/ SUBM DATE: 14Jul64/ ORIG REF: 004

Card 2/2

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

M.RUSIDZE, R.Kh.

Experimental study of forced vibrations of bent reinforced-concrete elements. Soob. AN Gruz. SSR 36 no.[illegible] [illegible]-133 [illegible] (MIRA 19:3)

1. Institut stroitel'noy mekhaniki i seysmostoykosti AN GruzSSR, Tbilisi. Submitted April 9, 1964.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, R.Kh.

Concerning the dynamic strength and deformation properties of bendable reinforced concrete elements. Trudy Inst. stroi.mekh. i seism. AN Gruz. SSR 9:175-182 '63. (MIRA 17:12)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUYEV, I.Ye., insh.

Gluing the tenon joints of a wooden chair in the electrid field of high frequency currents. Der.prom. 11 no.12:23 D '62. (MIRA 16:1)

1. Krasnodarskaya fabrika stul'yev i myagkoy mebeli.
(Induction heating) (Gluing)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

KRECHKO, P.Kh.; MURUYEV, I.Ye.

Blower for conveying waste from woodworking machines. Der. prom. 12 no.1:24 Ja '63. (MIRA 16:5)
(Pneumatic conveying) (Woodworking machinery)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUYEV, E. M.

Muruyev, E. M. - "The roats of the Buryat-Mongol ASSR", Trudy Buryat-Mongol. opyt. stantsii po zhivotnovodstvu, Issue 1, 1949, p. 52- 6.

So: [illegible]-4031, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 2, 19[illegible]).

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

UGREKHELIDZE, Sh.V., kand. tekhn. nauk; MURVANIDZE, Ch.G.

Automatic control of the distribution of irrigation water along the irrigation furrows. Gidr. i mel. 15 no.9:11-13 S '63. (MIRA 17:1)

1. Gruzinskiy nauchno-issledovatel'skiy institut gidrotekhniki i melioratsii.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

TSULUKIDZE, A.P.; professor; MUHVANIDZE, D.D.

Indications for cystectomy. Urologiia no.3:3-10 Jl-S '55. (MLRA 8:10)

1. Iz urologicheskoy kliniki (zav. chlen-korrespondent AMN SSSR, zaslusheennyy deyatel' nauki prof. A.P.Tsulukidze Tbilisskogo instituta usovershenstvovaniya vrachey.

(BLADDER, surgery
cystectomy, indic.)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

TSULUKIDZE, Aleksandr Petrovich, MURVANIDZE, D.D.

[Exclusion and removal of the urinary bladder] Vykliuchenie i udalenie mochevogo puzyria. Tbilisi, Gruchmedgiz, 1957. 130 p. (MIRA 11:10)

(BLADDER-SURGERY)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, D.D., dotsent

Cases of foreign bodies of the kidney and bladder. Urologiia 22 no.6:62-63 N-D '57. (MIRA 11:2)

1. Iz fakul'tetskoy khirugicheskoy kliniki (zav. - doktor meditsinskikh nauk A.Ya. Galushko) Astrakhanskogo meditsinskogo instituta.
(KIDNEYS, foreign bodies
case reports)
(BLADDER, for bodies
case reports)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

TSULUKIDZE, A. P.; MURVANIDZE, D. D.; IVASHENKO, G. M.; DVALI, R. F.

Further modification in the formation of the "urinary bladder" around a temporary endoprosthesis made of plastic. Urologiia no.6:28-29 '61. (MIRA 15:4)

1. Iz Instituta urologii (dir. - zasluzhennyy deyatel' nauki, akad. A. P. TSulukidze) AN Gruzinskoy SSR.

(BLADDER—SURGERY) (PLASTICS IN MEDICINE)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

TSULUKIDZE, A.P.; MURVANIDZE, D.D.; DVALI, R.F.; IVASHCHENKO, G.M.

Formation of a plastic reservoir for urine following total cystectomy. Urologiia 26 no.1:46-51 '61. (MIRA 14:3)
(BLADDER—SURGERY) (ACRYLIC ACID)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, D.D., dotsent

Experimental and clinical data on nephropexy using a plastic net. Urologiia no.5:29-32 '62. (MIRA 15:12)

1. Iz Instituta urologii (dir. - akademik AN Gruzinskoy SSR chlen-korrespondent AMN SSSR zasluzhennyy deyatel' nauki prof. A.P. TSulukidze) AN Gruzinskoy SSR.
(KIDNEYS--SURGERY) (PLASTICS IN MEDICINE)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, D.D.

Studying the distribution of nephroptosis. Soob.AN Gruz.SSR 28 no.1:119-123 Ja '62. (MIRA 15:4)

1. Akademiya nauk Gruzinskoy SSR, Institut urologii, Tbilisi. Predstavleno akademikom A.P.TSulukidze.
(GEORGIA--KIDNEYS, MOVABLE)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, D.D.

Nephroptosis as a cause of disorder in the urine discharge form the kidney. Soob. AN Gruz. SSR 28 no.4:497-502 Ap '62. (MIRA 18:1)

1. AN Gruzinskoy SSR, Institut urologii, Tbilisi. Submitted January 14, 1961.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, [illegible], [illegible] metallurgii [illegible]

Urinary complications [illegible]
no.1[illegible] [illegible]-F 165.

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, D.S., nachal'nik.

Thirty years of Soviet shoe industry. Leg.prom. 7 no.11:11-13 N '47. (MLRA 6:11)

1. Glavobuv Ministerstva legkoy promyshlennosti. (Shoe industry)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, D.S.; LYTKIN, N.K.

[Shoe industry during the years of the Soviet regime] Obuvnaia promyshlennost' za gody sovetskoi vlasti. Moskva, Biuro tekhn. informatsii legkoi promyshl., 1957. 44 p. (MIRA 13:6)
(Shoe industry)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, D.S.

Growth prospects for the shoe industry during the period 1959-1965. Kozh.-obuv.prom. no.1:8-11 Ja '59. (MIRA 12:6)
(Shoe industry)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

ARBUZOV, G.A., prof., doktor tekhn. nauk; AFANAS'YEV, A.A., dots., kand. tekhn. nauk; YEGOROVA, Ye.A.; KARZINKINA, K.D.; KARPOVA, A.A.; MURVANIDZE, E.M.; MIKHAYLOV, A.N., prof., doktor tekhn. nauk, red.; KACHKO, I.L., insh., red.; KRASNOBRODSKAYA, L.L., red.; YURCHENKO, D.I., red.; MIKHLIN, E.I., tekhn. red.

[English-Russian leather and footwear dictionary] Anglo-russkii kozhevenno-obuvnoi slovar'. Pod obshchei red. A.M.Mikhailova. Moskva, Fizmatgiz, 1963. 402 p. (MIRA 16:7)

(Leather industry--Dictionaries)
(English language--Dictionaries--Russian)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURUSIDZE, R.Kh.

Relation between force and flexure under conditions of dynamic loading beyond the limits of elasticity. Trudy Inst. stroi. mekh. i seism. AN Gruz. 10:37-42 '64.
(MIRA 18:11)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, T. G.

USSR

Determination of furfural in cognac alcohols. O. S. Gelashvili and T. G. Murvanidze (Cognac-Vodka Plant, Tiflis). *Vinodelie i Vinogradarstvo S.S.S.R.* 12, No. 10, 31-2(1952).—The method of Lavrent'eva (*ibid.* No. 2, 28-9) was used. Furfural (I) was detd. in a young cognac, contg. 65 vol. % alc., directly (a) and after its redistn. (b), and in a rectified alc. contg. no aldehydrates and fusel oils to which I was added, also before (c) and after its redistn. (d). The results of the triplicate detns. are: a 1.72-1.80, b 2.75-3.02, c 2.7-2.7, and d 2.67-2.70 mg. I/100 ml. abs. alc., resp. Thus, detn. of I in colored alcs. (b), gives relatively higher I values, presumably owing to the org. compds. which are distd. over into the products. E. Wierbicki

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

1. GELASHVILI, O.S. , MURVANIDZE, T.G.

2. USSR (600)

4. Brandy

7. Quality indexes of brandy need to be made more precise. , Vin.SSSR , 12 , No.12, 1952

9. **Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.**

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, V. A. Cand Geog Sci -- "Maximum pluvial runoff ~~discharge~~ of rivers of western Georgia." Tbilisi, 1960 (Acad Sci AzSSR. Inst of Geography. Tbilisi Sci Res Hydrometeorological Inst) (KL, 1-61, 159)

-30-

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, V.A.

Daily depths of rainfalls of various frequency in eastern Georgia. Trudy Tbil.NIGMI no.8:94-104 '61. (MIRA 15:3)
(Georgia--Rain and rainfall)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, V.A.

Characteristics of the deposition of the snow cover in the mountain regions of western Georgia. Trudy Tbil.NIGMI no.9:37-45 '61. (MIRA 15:3)

1. Tbilisskiy nauchno-issledovatel'skiy gidrometeorologicheskiy institut.

(Georgia--Snow surveys)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANISHVILI, I.K.

New representatives of the mycoflora of Georgia. Soob. AN Gruz. SSR 33 no.3:643-650 Mr '64 (MIRA 17:8)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANIDZE, V.A.

Curves of the security of the diurnal discharges of the rivers of western Georgia. Trudy TbilNIGMI no.17:75-90 '65. (MIRA 18:11)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"

"APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9

MURVANISHVILI, I.K.

Unknown representatives of the parasitic mycoflora of some cultivated and useful plants in Georgia. Soob. AN Gruz. SSR 35 no.3:641-648 S '64. (MIRA 17:11)

APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R001135710004-9"